Academic Profile of Dr. S. Rajendan

Name: Dr. S.Rajendran
Age and date of birth: 69 years; 3-12-1950
Place of birth: Nagercoil, Tamilnadu, India
Nationality: Indian
Marital Status: Married
Country, State and District: India, Tamilnadu, Kanyakumari District
Mother tongue: Tamil
Residential Address: 55/122, Parisutham Nagar, Thanjavur 613007, Tamilnadu, India.
Office Address:

Educational Qualification:

Sr. no.	Name of the degree	Name of the University	Subjects	Year of Pass	Class
1	BSc	Madurai University, Madurai, India	Chemistry, Physics & Zoology	1971	Second
2	MA	University of Kerala, Thiruvananthapuram, India	Linguistics	1973	First
3	PhD	University of Poona, Pune, India	Linguistics	1978	
4	Post Doctoral Research	Deccan College (Deemed University), Pune	Linguistics	1980-1983	

Professional Experience

Sr.No.	Name of the Post held	Name of the Institute where employed	Period of service
1	Project Assistant	Central Institute of Indian Languages, Mysore, India	30-1-1979 to 6-12-1980
2	Research Associate (Sponsored	Deccan College	12-12-1980 to 9-9-

	by University Grants Commission)	Post-graduate and Research Institute, Pune, India	1983
3	Research Officer	Language Division, Ministry of Home Affairs, Calcutta, India	12-9-1983 to 19-1-1989
4	Lecturer	Department of Linguistics, Tamil University, Thanjavur, India	23-1-1989 to 22-1-1997
5	Associate Professor	Department of Linguistics, Tamil University, Thanjavur, India	23-1-1997 to 2005
6	Professor & Head	Department of Linguistics, Tamil University, Thanjavur, India	2005-2011
7	Visiting professor	Centre for Computational Engineering and Networking (CEN), Amrita University, Coimbatore 641 112.	From July 2011 to 31st May 2024

Proficiency in Languages: Can speak, read and write: Tamil, Malayalam, English, and Hindi

Number of Research Projects/Works completed: 25

- **Particulars of the Research/Project Work Completed**

1. Syntax and Semantics of Tamil Verbs (Sponsored by UGC for Ph.D work) Junior Research Fellow, Deccan College Post-graduate and Research Institute, Pune, India, 1974-1978.
2. Correspondence cum Broadcast Course for Tamil Teachers, Project Assistant, Central Institute of Indian Languages, Mysore, India, 1979-1980.
3. Semantics of Tamil Vocabulary [Sponsored by UGC for Post Doctoral Research], Research Associate, Deccan College Post-graduate and Research Institute, Pune, India. 1980-1983.
4. Trends of Bilingualism in Kerala with Special Reference to Hindi, Research Officer, Language Division, Calcutta, India, 1983-1989.

5. Language Socialization of Scheduled Caste Children in Kerala, Research Officer, Language Division, Calcutta, India, 1983-1989.
6. Linguistics Survey of India: Linguistic and Sociolinguistic Profile of the Tribal Languages such as Juang, Kharia, Kurukh & Kissan spoken in Orissa, India, Research Officer, Language Division, Calcutta, India, 1983-1989.
7. A Thesaurus for Modern Tamil, Chief Investigator, Department of Linguistics, Tamil University, Thanjavur, India, 1989-1991.
8. Word-formation in Tamil (in Tamil). Chief Investigator, Department of Linguistics, Tamil University, Thanjavur, India, 1991-1996.
9. Word-formation in Tamil (a computer aided analysis) [Sponsored by University Grants Commission], Chief Investigator, Department of Linguistics, Tamil University, Thanjavur, India, 1994-1998.
10. Electronic Thesaurus of Tamil, Chief Investigator, Department of Linguistics, Tamil University, Thanjavur, India, 1999-2003.
11. An Integrated Comprehensive Syntax of Tamil [Sponsored by University Grants Commission], Co-investigator, Department of Linguistics, Tamil University, Thanjavur, India, 1998-2001.
12. Spell and Grammar Checker for Tamil (Sponsored by University Grants Commission), Co-investigator, Department of Linguistics, Tamil University, Thanjavur, India, 1997-2000.
13. Preliminaries to the Preparation of a Machine Aid to Translate Linguistic Text Books in English into Tamil, Chief Investigator, Department of Linguistics, Tamil University, Thanjavur, India, 1996-2001.
14. Generative Lexicon in Tamil using MRDs in Tamil. (Sponsored by University Grants Commission). Chief Investigator, Department of Linguistics, Tamil University, Thanjavur, 1st June 2006 to 31st December 2009

- **The Research Projects to which expertise/consultancy was offered**

1. Anusaraka (Language Accessor) – a translation aid to translate Tamil into Hindi at Department of Computer Science and Engineering, Indian Institute of Technology, Kanpur. 1991-1997.
2. Machine Translation of Tamil into Hindi, AU-KBC Research Centre, Anna University, Chennai, 2000.
3. Morphological analyzer for Tamil, AU-KBC Research Centre, Anna University, Chennai, 2001
4. Tamil WordNet, AU-KBC Research Centre, Anna University, Chennai, 2002

- **The Research Projects undertaken and completed recently as chief investigator (from Tamil Tamil University, Thanjavur):**

1. Indian Language to Indian Language Machine Translation (ILILMT) system. Funded by Department of Electronics and Information Technology, MCIT, Govt. of India. From 30th October 2006 to 30th April 2010

2. Indian Languages Corpora Initiative. Funded by Department of Electronics and Information Technology, MCIT, Govt. of India. From February 2009 to February 2011
3. Generative Lexicon from MRDS in Tamil. Funded by UGC. 1st June 2006 to 31st December 2009
4. Developing Dravidian Languages to English Machine Translation tools: Dravidian Word Net. Funded by MHRD, Govt. of India. January 2009 to June 2011.

- **The Research Projects completed at Centre for Engineering and Networking, (CEN) Amrita Vishwa Vidyapeetham University, Coimbatore as a consultant:**

1. "English to Indian Language Machine Translation system." Funded by Department of Electronics and Information Technology, MCIT, Govt. of India. From July.2011 onwards.
2. Development of Dravidian WordNet: An Integrated WordNet for Telugu, Tamil, Kannada and Malayalam. Malayalam Word Net. Funded by Department of Electronics and Information Technology MCIT, Govt. of India. From 26.12.2011 to 25.12.2015.

- **The Research Project at Centre for Engineering and Networking (CEN), Amrita Vishwa Vidyapeetham University, Coimbatore as one of the coordinators**

1. "Computing Tools for Tamil Language teaching and learning" one year project funded by Tamil Virtual Academy, Chennai. From 1st April, 2016.

- **Ongoing project at Centre for Engineering and Networking (CEN), Amrita Vishwa Vidyapeetham, Coimbatore in coordination with University of Trento, Italy – "Creating UKC for Malayalam and Tamil"**. From 2018 onwards.

Membership of Professional Bodies:

- Life Member of Dravidian Linguistic Association.
- Life Member of Linguistics Society of India.
- Member in the Board of Studies of Linguistics (P.G. & MPhil), University of Kerala 2010-2013

Number of Papers Published:

Total 92: International 41 National 51

Number of Books Published: 15

Research Guidance:

Number of M.Phill Students guided = 40
Number of Ph.D. Students guided = 25
Number of Ph.D. Students under supervision = 3

Specialization:

Computational linguistics and Natural language Processing: Machine Translation, Corpus Linguistics and Computational Lexical Semantics.

Translation experience

Several years of experience in translating from English to Tamil as a part of the Machine translation project which requires parallel corpus between English and Tamil.

LIST OF PUBLICATIONS

1. Number of Papers Published:

Total 92: International 42 National 50

2. Number of Books Published: 13

3. The List of publications:

I. Papers published as first or sole author:

1. Rajendran, S. Thampuran R.R..& Sharma, R.C. 1975. "Malayalam Kinship terms: a functional analysis of social dynamics". (. Journal of Kerala Studies, vol. 2 part 4, 1975, 635-637.
2. Rajendran, S. Thampuran R.R. & Sharma, R.C. 1976. "A Note on Directional Verbs of Movement". Bulletin of the Deccan College Research Institute (BDCRI) vol 35, 1976, 113-115.
3. Rajendran, S. Thampuran R.R. "Intransitive, Transitive and Causative Verbs in Malayalam". (Coauthors: R.R.Thampuran). BDCRI vol 35, 1976, 116-120
4. Rajendran, S. 1976. Verbs of Cooking in Tamil. Working Papers in Linguistics No.1, Deccan College, Pune, 1976, 8-16
5. Rajendran, S. 1977. "Comparative Constructions in Tamil". BDCRI, vol 36, 176-77, 124-133.
6. Rajendran, S. 1977. "Compound and Conjunct Verbs in Tamil". 9th AIUTTAC (All India University Tamil Teachers Conference) *aayvukkoovai* vol 2, 1977, 306-310
7. Rajendran, S. 1977-78. Case System in Tamil and Malayalam. BDCRI col 37, 1977-78, 128-140
8. Rajendran, S. 1979. A Note on Causativization in Tamil.11th AIUTTAC *aayvukkoovai* vol. 2, 1979, 342-345
9. Rajendran, S. 1979-80. "Case Relations and Realizations in Hindi and Tamil". BDCRI vol., 1979-80, 1-126
10. Rajendran, S. 1980. Contrastive Lexicology of Tamil and Malayalam. 12th AIUTTAC *aayvukkoovai* vol. 2, 1980, 425-429
11. Rajendran, S. 1981. Semantic Structure of Tamil Verbs, 13th AIUTTAC *aayvukkoovai* vol. 2, 1981, 305-310
12. Rajendran, S. 1982. Semantics of Spatial Expressions in Tamil. 14th AIUTTAC *aayvukkoovai* vol. 1982, 262-67.
13. Rajendran, S. Verbs of 'Seeing' in Tamil. In BDCRI vol. 41, 1982, 151-159
14. Rajendran, S. 1982. Genitive in Tamil. Studies in Dravidian Linguistics, Punjab University, Patiyala, 1982, 497-510
15. Rajendran, S. 1983. Semantic Structure of Directional Verbs of Movement. Working papers in Linguistics vol 7, Deccan College, Pune, 1983, 19-37.
16. Rajendran, S. Much Ado about Nothing. In 15th AIUTTAC *aayvukkoovai* vol., 1983.

17. Rajendran, S. 1983. Coming and Going in Tamil. In: E. Annamalai (edited) To Greater Heights, CIIL, Myosre, 1983, 83-118.
18. Rajendran, S. 1983. Temporal Expressions in Tamil. BDCRI vol. 42, 1983, 138-147.
19. Rajendran, S. 1883. Review of Introduction to Tamil Script: Reading and Writing, BDCRI vol 42, 1983,189.
20. Rajendran, S. 1984. Correlative Lexicology of Tamil and Hindi: a Proposal. BDCRI vol. 43, 1984, 99-100.
21. Rajendran, S. 1990. □□□□□□□ □□□□□□□□□□□. □□□□□□□□□□, □□□□□□ 13&14,1990,163-292.
22. Rajendran, S. 1991. □□□□□□□□ □□□□□ □□□□□□□□□□□□□ (□□□□□ 1). □□□□□□□□□□, □□□□□□ 9, □□□. 1-4, 1991, 55-76.
23. Rajendran, S. 1991. Lexical Structure: Towards a Compilation of a Thesaurus for Modern Tamil. Working Papers in Linguistics, Tamil University, Thanjavur, vol.2, 1991, 28-100.
24. Rajendran, S. 1993. □□□□□□□□ □□□□□ □□□□□□□□□□□□□ (□□□□□ 2). □□□□□□□□□□, □□□□□□ 11, □□□. 1-4, 1993.
25. Rajendran, S. 1995. Componential Analysis of 'Eating' in Tamil. PILC Journal of Dravidic Studies, vol. 5, no.2, 1995. 175-181.
26. Rajendran, S. 1995. A Machine Bridge for Tamil. Proceedings of Eighth World Tamil Conference. Tamil University, Thanjavur, 1995.
27. Rajendran, S. 1995. Toward the Compilation of a Thesaurus for Modern Tamil. South Asian Language Review, vol. 5, no. 1-4, 1995, 62-99.
28. Rajendran, S. 1997. Grammatical Formalism and Computational Analysis of Nominal Compounds in Tamil. South Asian Language Review, vol. 7, no. 1, 1997, 27-46.
29. Rajendran, S. 1997. Aspects of teaching 'IZATIONS' in Tamil. Journal of Tamil Studies, vol. 51 & 52, June & December 1997, 210-227.
30. Rajendran, S. 1999. □□□□□□□□□ □□□□□□□□□□□ □□□□□□□□□□□□□□□ [Classification into semantic domains and Thesaurus]. □□□□□ □□□□□□ 25, □□□2, □□□□□□□□, 1999, 47-66..
31. Rajendran, S. 2000. □□□□□□□□□□□□□ [Formation of adjectives]. In: □□□□□□□□□□□□□□□□ □□□□□□□ □□□□□ (□□□□□□□) □□□□□□□□, □□□□□, 2000, 67-97.
32. Rajendran, S. 2000. □□□□□ □□□□□□□□□□□ □□□□□□□□□□ [Tamil morphology and TPM]. In: □□□. □□□□□□□□□ (□□□□□□□□□□□□□□□). □□□□□□□ □□□□□□, □□□□□ 74, □□□□ 3, □□□□, 2000, 89-97.
33. Rajendran, S. 2000. Types of Word formation in Tamil. In: Ashrer, R.E & Harris, R. (edited) Linguisticoliterary, Pilgrim Book Pvt. Ltd. October 2000, 323-343.
34. Rajendran, S. 2000. Language Socialization of Scheduled Caste Children: Case Studies in Tamilnadu and Kerala. Tamil Civilization vol. 14-18, March 1996-2000, 79-89

35. Rajendran, S. 1996-2000. Componential Analysis of Meaning and its Relevance in Finding Translational Equivalents. Tamil Civilization vol. 14-18, March 1996-2000 , 95-98.
36. Rajendran, S. 1996-2000. "A Model for a 'Theoretical Dictionary of Tamil". Tamil Civilization vol. 14-18, March 1996-2000, 99-105.
37. Rajendran, S. 1996-2000. "Typology of Verbs and Second Language Teaching with Reference to Tamil". Tamil Civilization vol. 14-18, March 1996-2000.
38. Rajendran, S. 2000. "Strategies in the Formation of Compound Verbs in Tamil". International Journal of Dravidian Linguistics vol. 29, no. 2, June 2000, 107-126.
39. Rajendran, S. 2001. "□□□□□□□□□ □□□□□□□ [Coming and going]". In: P.V. Ravi et al (edited) Professor K.Karunakaran 60th Birth Day Commemoration Volume, Coimbatore, July 2001, 45-52.
40. Rajendran, S. 2001. "Typology of Nominalization in Tamil". Language in India, www.languageinindia.com 1:7, November, 2001.
41. Rajendran, S. 2002. Juang. In: Linguistic Survey of India. Language Division, Office of the Registrar General of India, Kolkata, 2002, 335-371.
42. Rajendran, S. 2001. Kharia. In: Linguistic Survey of India, Language Division, Office of the Registrar General of India, Kolkata, 2002, 372-398.
43. Rajendran, S. & Boopathy, S 2002. Khond/Kondh. In: Linguistic Survey of India, Language Division, Office of the Registrar General of India, Kolkata, 2002, 476-496.
44. Rajendran, S. & Boopathy, S 2002. Kuvi. In: Linguistic Survey of India, Language Division, Office of the Registrar General of India, Kolkata, 2002, 532-552.
45. Rajendran, S. 2002. "□□□□ □□□□□□□ □□□□□□□□□□□□□ □□□□□□□□ **[use of computer in language analysis]".** In**:** □□□□□□□□□□□□□□□□ □□□□□□□ □□□□□□ **(**□□□□□□□**).** □□□□□□□□ □□□□□□□□□□**.** □□□□□□□□□□ □□□□□□□□□**.** □□□□□□□□□**, 2002.**
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48. Rajendran, S. 2002. "Semantic Structure of Directional Verbs of Movement". Language in India www.languageinindia.com 2:5, August 2002.
49. Rajendran, S. 2002. Syntax and Semantics of Verbs of Transfer in Tamil. Language in India 2:8, www.languageinindia.com November 2002.
50. Rajendran, s. and Baskaran, S. 2002. Electronic Thesaurus for Tamil. In: Proceedings of the International Conference on Natural Language Processing. NCST, Mumbai, 2002.
51. Rajendran, S. 2002. □□□□□□ □□□ □□□□□□□□□□□□□ □□□□□ □□□□□□ □□□□□□□□□ [Developing Tamil Teaching in Foreign Countries through Internet]. □□□□□

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53. Rajendran, s. 2003. Dravidian WordNet: A Proposal. R.M.Sundaram et al (edited), Facets of Language, Thanjavur, 2003, 467-497
54. Rajendran, s. 2003. Prerequisite for the Preparation of an Electronic Thesaurus for a Text Processor in Indian Languages. Language in India www.languageinindia.com 3:1, January 2003.
55. Rajendran, s., S.Arulmozi, S.Ramesh Kumar, & S.Viswanathan. 2003. Computational Morphology of Verbal Complex. Language in India www.languageinindia.com3:4, April 2003, ,.
56. Rajendran, s. 2003. Strategies in the formation of Adjectives in Tamil. Language in India www.languageinindia.com3:5, May, 2003,.
57. Rajendran, s. 2003. Creating Generative Lexicon from MRDs: Tamil Experience. In: Rajeev Sangal et al (edited). Recent Advances in Natural Language Processing: Proceedings of the International Conference of Natural Language Processing (ICON 2003), 2003, 83-91.
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59. Rajendran, s. & S.Kamakshi. 2003. Preliminaries to the Preparation of a Machine Aid to Translate Linguistic Text Books in English into Tamil.. Language in India www.languageinindia.com3:9, September, 2003,.
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66. Parsing in Tamil: Present state of Art. Indian Linguistics vol. 67, 2006, 159–67.
67. Rajendran, S. 2006. Parsing in Tamil: Present state of art. Language in India 6:8, August 2006, www.languageinindia.com.

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74. Rajendran, S., M. Anandkumar and Soman K.P. 2013. Computational approach to Word Sense disambiguation in Tamil. In: 12th International Tamil Internet Conference 2013, University of Malaya, Kuala Lumpur, Mayasia.
75. Rajendran S and Anandkumrar M**.** 2014**. "**Corpus based approach for resolving verbal polysemy in Tamil**".** In: Proceedings of 13th International Conference on Tamil Computing and Tamil Internet (Tamil Internet 2014) from 19th to 21st September 2014 at Pondicherry University.
76. Rajendran, S. Anand Kumar M. and Soman K.P. 2015. "Building hierarchies and networks from MRDs of Tamil**".** In: Proceedings of 14th International Conference on Tamil Computing and Tamil Internet (Tamil Internet 2015), at Singapore (SIM University, Singapore campus) from 30th, 31st May to 1st June 2015.
77. Rajendran, S. 2016. "Noun modifying expressions in Tamil". International Journal of Dravidian Linguistics, Volume 45, No. 2, June 2016 pages 130-151.
78. Rajendran, S. 2016. "Tamil Thesaurus to Tamil wordNet." In: Proceedings of 15th World Tamil Internet conference 2016, held at Gandhi Gram Rural University, Tamil Nadu, September 8-11, 2016, pages 1-9.
79. Rajendran S., Soman K.P. 2017. Malayalam WordNet. In: Dash N., Bhattacharyya P., Pawar J. (eds) The WordNet in Indian Languages. Springer, Singapore, 2017, pages 119-145.
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81. Rajendran S.& Mohan Raj S. N. "Noun Modifying Expressions in Malayalam." Journal of Advanced Linguistic Studies, Vol. 6, NO. 1-2, JAN-DEC 2017.

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